

release notes

# hp StorageWorks business copy eva/ma/ema server v2.1a

**Product Version:** v2.1a

Third Edition (May 2003)

**Part Number:** T3032-98001

The HP StorageWorks "Business Copy (BC) for enterprise virtual array (EVA), modular array (MA), and enterprise modular array (EMA)" is the new name for the "Enterprise Volume Manager (EVM)" software.

This document summarizes features and characteristics of the HP StorageWorks Business Copy Server v2.1a release that are not covered elsewhere in the documentation set.



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Printed in the U.S.A.

Business Copy EVA/MA/EMA Server v2.1a Release Notes

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## About this Document

This section describes the content reflected in this document, including:

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- [Intended Audience](#), page 3
- [Business Copy Documentation](#), page 3
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### Release Notes Information

These Release Notes cover the following major topics:

- [Hardware and Software Requirements](#), page 4
- [Limitations and Known Issues](#), page 5
- [Changes to BC Server-Related Documentation](#), page 8

### Intended Audience

This document is intended for customers who purchased BC v2.1a and for HP authorized service providers responsible for installing, configuring, and maintaining systems that include BC software.

### Business Copy Documentation

BC documentation includes documents distributed through an initial purchase of BC v2.1a (contained in a BC documentation kit). Refer to the *HP StorageWorks Business Copy EVA/MA/EMA v2.1a Read Me First* (T3032-99001) for a list of these documents and document part numbers.

All BC documentation (except the BC online Help/User Guide) is available from the BC product page website: <http://h18000.www1.hp.com/products/storage/software/bizcopyeva/index.html>.

### Business Copy Product Updates

BC product updates, if available, are located at the BC software and drivers page website: <http://h18000.www1.hp.com/products/storage/software/softwaredrivers/bizcopyeva/index.html>.

## Hardware and Software Requirements

The following topic identifies hardware and software requirement changes, if any, for BC v2.1a.

**HP-UX Netscape Browser JRE Version Change**—The HP-UX JRE version specified for Netscape 7.0 in Table 16 on page 53 of the *HP StorageWorks Business Copy EVA/MA/EMA v2.1a Network Administration Guide*<sup>1</sup> (T3032-96001) is incorrect. The correct JRE version is 1.4.1\_00.

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1. Hereafter referred to as BC Network Administration Guide.

## Limitations and Known Issues

This section is an extension of a similar section in the BC Network Administration Guide and can help avoid problems while using BC v2.1a. Limitations and known issues include the following topics:

- [HSV Subsystem Naming](#), page 5
- [BC Server Requires Short Periods of Inactivity](#), page 5
- [UNIX OSs with Netscape Browsers and JRE 1.4.0x](#), page 6
- [Problems Accessing BC v2.1a From Sun Solaris 2.6 Computers](#), page 6
- [Overall Slow Browser Response Time for Sun Solaris 2.6 Computers](#), page 6
- [Java Console Exception for Sun Solaris 2.6 Computers](#), page 7

### HSV Subsystem Naming

*Description:* BC jobs containing HSV subsystems fail if an HSV subsystem name contains a space at the end.

*Error* subsystem not known (case-sensitive identifier) error  
*Indication:* message.

*Resolution/Workaround:* Remove the space at the end of the HSV subsystem name. This problem will be fixed in a future BC release.

### BC Server Requires Short Periods of Inactivity

*Description:* BC performs a periodic internal update procedure that helps prevent excessive memory usage and ensures optimal performance. To prevent this process from impacting the BC job execution, BC does not perform this procedure while a BC job is currently running. In extremely busy configurations, the possibility exists that a BC job may be running at all times and the update procedure never runs. In this case, BC memory consumption continues to increase gradually over time, causing a general decrease in BC performance.

*Error* Excessive memory consumption, causing a gradual decrease in BC performance.  
*Indication:*

*Resolution/Workaround:* To prevent excessive memory consumption, make sure that BC has at least 30 seconds of inactivity (where no jobs are running), at least twice a day, to allow the update procedure to run.

## UNIX OSs with Netscape Browsers and JRE 1.4.0x

**Description:** Sporadically, UNIX® OSs with Netscape browsers and JRE versions 1.4.0x may experience a problem entering data in specific fields of the Job Create page. This intermittent problem is referenced as a known bug in the Sun Microsystems Bug Database (# 4767070).

**Error Indication:** Inability to insert text in the **Name**, **Owner**, and **Category** fields of the Job Create page.

**Resolution/Workaround:** A fix is in JRE 1.4.1\_02. A workaround for prior JRE versions involves using the mouse to change *focus* away from the current application to another window, and then returning back to the current application.

In BC, for example, the user can click *focus* away from the applet area in BC by:

1. Clicking in the upper header area of the BC GUI, and then
2. Clicking back within the applet area to regain focus on the text fields.

## Problems Accessing BC v2.1a From Sun Solaris 2.6 Computers

**Description:** When browsing from a Sun Solaris 2.6 computer to an HP OpenView Storage Manager Appliance (SMA), running SMA software v2.0, an attempt to access BC may fail.

**Error Indication:** Inability to access the BC GUI.

**Resolution/Workaround:** Enter the BC URL directly into the Netscape browser **Location** (address) field. Enter the URL in the following format: `http://<Appliance_Name or IP_Address>:2301/appvolcpqevm/home`.

## Overall Slow Browser Response Time for Sun Solaris 2.6 Computers

**Description:** When browsing from a Sun Solaris 2.6 computer, BC requires Java™ Runtime Environment (JRE) version 1.3.1\_07 to be installed. Upgrading the JRE from 1.3.1\_03 (required for BC v2.1) to 1.3.1\_07 (required for BC v2.1a) decreases browser lock-ups and general malfunctioning. However, browser response time is sluggish for this OS.

**Error Indication:** None.

**Resolution/Workaround:** None.

## Java Console Exception for Sun Solaris 2.6 Computers

**Description:** Any `java.io.IOException`: Caching not supported for... message in the Java console is *not* an error. This message is a known limitation, triggered when the Java plug-in is unable to obtain the expiration and last-modification dates for a given JAR file from the web server. If the Java plug-in cannot access this information, caching is omitted because the JAR file will be downloaded every time as needed. Even with this exception, however, the applet should work properly. The exception is merely informative.

For further information, visit the following Sun website: [http://java.sun.com/j2se/1.4.1/docs/guide/plugin/developer\\_guide/applet\\_caching.html](http://java.sun.com/j2se/1.4.1/docs/guide/plugin/developer_guide/applet_caching.html).

**Error** None.

**Indication:**

**Resolution/** None.

**Workaround:**

## Changes to BC Server-Related Documentation

The following sections identify BC documentation changes that support the BC server and BC GUI. Topics include:

- [HP-UX Netscape Browser JRE Version Change](#), page 8
- [Browsing from a Sun Solaris Computer Change](#), page 8

### HP-UX Netscape Browser JRE Version Change

The HP-UX JRE version specified for Netscape 7.0 in Table 16 on page 53 of the BC Network Administration Guide is incorrect. The correct JRE version is 1.4.1\_00.

### Browsing from a Sun Solaris Computer Change

The following paragraphs replace similar paragraphs found in the “Browsing from Sun Solaris Computers” section on page 54 of the BC Network Administration Guide.

*“If browsing from a Sun Solaris 2.6 computer to an SMA running the SMA software v2.0, the minimum Java Runtime Environment (JRE) must be preinstalled. The supported JRE (version 1.3.1\_07) can be downloaded from Sun Microsystems (<http://java.sun.com/j2se/1.3/download.html>) or from the server (C :\Program Files\Compaq\SANworks\Enterprise Volume Manager\html\jreDownloads\ss\_jre131\_07.exe).*

*If browsing from a Sun Solaris 8 computer, the minimum JRE must be preinstalled. The supported JRE (version 1.4.0\_00) can be downloaded from Sun Microsystems (<http://java.sun.com/products/archive/j2se/1.4.0/index.html>). This supported JRE is embedded in Netscape 6.2.3 and automatically installed during the browser installation.”*